

CITTP: Computerized Individual Trainer for Team Performance, Phase I

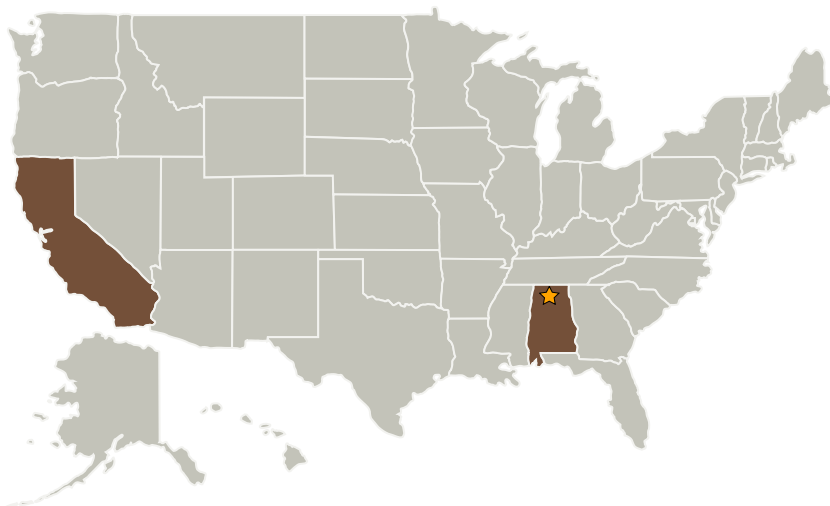
Completed Technology Project (2004 - 2004)



Project Introduction

CITTP provides an intelligent tutor system (ITS) framework for individuals to rehearsing their team tasks using computer based high-fidelity simulations. CITTP is used as a complement and a cost effective means to make join team integration more effective. CITTP concentrates in defining three key elements that a team ITS must have: (i) authoring tools to define training scenarios; (ii) intelligent simulated entities that play team members roles in these scenarios; and (iii) natural language understanding capabilities that allow simulated team members to react intelligently to the trainee communications. CITTP will allow instructors to create operational scenarios and to customize methods to automatically evaluate trainee decisions. CITTP will monitor student's actions in order to provide feedback identifying the concepts where the student has demonstrated either a satisfactory proficiency or a need for remediation. CITTP will also formulate a remedial course of instruction tailored to the student needs. In phase I we will identify the modeling techniques and the natural language capabilities needed to create effective intelligent simulated team members. We will also develop a limited prototype of CITTP to demonstrate its feasibility and effectiveness. In phase II we will deploy CITTP for the NASA domain and team identified during phase I.

Primary U.S. Work Locations and Key Partners



CITTP: Computerized Individual Trainer for Team Performance, Phase I

Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Management	2
Technology Areas	2

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Marshall Space Flight Center (MSFC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

CITTP: Computerized Individual Trainer for Team Performance,
Phase I

Completed Technology Project (2004 - 2004)



Organizations Performing Work	Role	Type	Location
★ Marshall Space Flight Center (MSFC)	Lead Organization	NASA Center	Huntsville, Alabama
Stottler Henke Associates, Inc.	Supporting Organization	Industry	San Mateo, California

Primary U.S. Work Locations

Alabama	California
---------	------------

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Emilio Remolina

Technology Areas

Primary:

- TX07 Exploration Destination Systems
 - └ TX07.3 Mission Operations and Safety
 - └ TX07.3.3 Training